

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTY DOCKET NO.: BSC-009DV

APPLICANT: Crowley

SERIAL NO.: 09/879,433

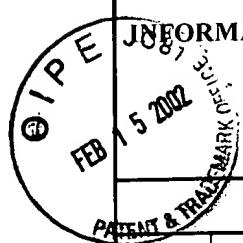
FILING DATE: June 12, 2001

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dw	A1	2,002,559	05/28/35	Wappler			
dw	A2	2,583,937	01/29/52	Fossati			
dw	A3	3,176,114	03/30/65	Kneisley			
dw	A4	3,469,685	10/23/67	Baermann			
dw	A5	3,593,706	7/20/71	Schubert			
dw	A6	4,197,944	4/15/80	Catlin			
dw	A7	4,233,493	11/11/80	Nath			
dw	A8	4,274,706	06/23/81	Tangonan			
dw	A9	4,289,966	09/15/81	Roberts			
dw	A10	4,340,307	07/20/82	Diamond et al.			
dw	A11	4,349,031	9/14/82	Perlin			
dw	A12	4,472,728	09/18/84	Grant et al.			
dw	A13	4,528,986	7/16/85	Arurudel et al.			
dw	A14	4,535,233	8/13/85	Abraham			
dw	A15	4,541,272	09/17/85	Bause			
dw	A16	4,548,505	10/22/85	Ono			
dw	A17	4,556,057	12/03/85	Hiruma et al.			
dw	A18	4,560,286	12/24/85	Wickersheim			
dw	A19	4,565,974	01/21/86	Smoot			TC 3710 MAIL ROOM
dw	A20	4,566,057	12/03/85	Hinima et al.			JUL 22 2007
dw	A21	4,570,638	2/18/86	Stoddart et al.			
dw	A22	4,578,061	03/25/86	Lemelson			
dw	A23	4,623,786	11/18/86	Rodwell			
dw	A24	4,672,972	06/16/87	Berke			
dw	A25	4,674,093	06/16/87	Angerstein et al.			

EXAMINER *dw*DATE CONSIDERED *September 25, 2002*

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✓	A26	4,718,417	01/12/88	Kittrell <i>et al.</i>			
✓	A27	4,750,216	06/07/88	Boyce			
✓	A28	4,768,513	9/6/88	Suzuki			
✓	A29	4,782,819	11/8/88	Adair			
✓	A30	4,798,956	1/17/89	Hochstein			
✓	A31	4,803,992	02/14/89	Lemelson			
✓	A32	4,813,790	03/21/89	Frankel <i>et al.</i>			
✓	A33	4,821,117	4/11/89	Sekiguchi			
✓	A34	4,850,043	07/18/89	Winston			
✓	A35	4,872,458	10/10/89	Kanshira <i>et al.</i>			
✓	A36	4,882,482	11/21/89	Smith <i>et al.</i>			
✓	A37	4,882,623	11/21/89	Uchikubó			
✓	A38	4,888,562	12/19/89	Edler			
✓	A39	4,894,547	1/16/90	Leffell <i>et al.</i>			
✓	A40	4,895,138	1/23/90	Yabe			
✓	A41	4,895,156	01/23/90	Schulze			
✓	A42	4,898,175	02/06/90	Noguchi			
✓	A43	4,902,896	02/20/90	Fertig Sr. <i>et al.</i>			
✓	A44	4,916,534	4/10/90	Takahasi <i>et al.</i>			
✓	A45	4,928,172	05/22/90	Uehara <i>et al.</i>			
✓	A46	4,930,516	06/05/90	Alfano <i>et al.</i>			
✓	A47	4,938,602	07/03/90	May <i>et al.</i>			
✓	A48	4,981,138	01/01/91	Deckelbaum <i>et al.</i>			
✓	A49	5,001,556	03/19/91	Nakamura <i>et al.</i>			
✓	A50	5,009,655	04/23/91	Daignault, Jr. <i>et al.</i>			

EXAMINER *[Signature]*

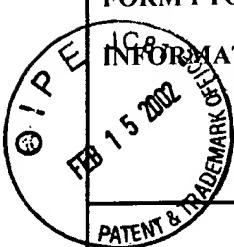
DATE CONSIDERED

September 25, 2002

 JUL 22 2002
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FORM PTO -1449 INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO.: BSC-009DV APPLICANT: Crowley SERIAL NO.: 09/879,433 FILING DATE: June 12, 2001			
U.S. PATENT DOCUMENTS							
EXAM INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
✓	A51	5,019,075	5/28/91	Spears et al.	✓		
✓	A52	5,021,888	01/04/91	Knodou et al.	✓		
✓	A53	5,034,010	07/23/91	Kittrell et al.	✓		
✓	A54	5,036,853	8/6/91	Jeffcoat et al.	✓		
✓	A55	5,042,494	08/27/91	Alfano	✓		
✓	A56	5,045,056	09/03/91	Behl	✓		
✓	A57	5,056,503	10/15/91	Nagasaki et al.	✓		
✓	A58	5,062,428	11/05/91	Chance	✓		
✓	A59	5,073,700	12/17/91	D'Onofrio	✓		
✓	A60	5,106,387	04/21/92	Kittrell et al.	✓		
✓	A61	5,115,137	05/19/92	Andersson-Engels	✓		
✓	A62	5,116,759	05/26/92	Klainer et al.	✓		
✓	A63	5,125,404	06/30/92	Kittrell et al.	✓		
✓	A64	5,127,407	07/07/92	Tan	✓		
✓	A65	5,131,398	07/21/92	Alfano et al.	✓		
✓	A66	5,152,295	10/6/92	Kobayashi et al.	✓		
✓	A67	5,166,755	11/24/92	Gat	✓		
✓	A68	5,166,819	11/24/92	Eichel	✓		
✓	A69	5,172,693	12/22/92	Doody	✓		
✓	A70	5,174,297	12/29/92	Daikuzono	✓		
✓	A71	5,187,572	02/16/93	Nakamura et al.	✓		
✓	A72	5,187,672	02/16/93	Chance et al.	✓	JUL 22 2012 RECEIVED U.S. POSTAL MAIL ROOM ROTA	
✓	A73	5,190,538	3/2/93	Hussein et al.	✓		
✓	A74	5,193,542	03/16/93	Missanelli et al.	✓		
✓	A75	5,197,470	03/30/93	Helper et al.	✓		
✓	A76	5,198,658	03/30/93	Rydin	✓		
EXAMINER <i>DR</i>				DATE CONSIDERED <i>September 25, 2002</i>			



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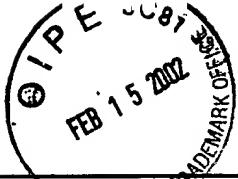
FILING DATE: June 12, 2001

U.S. PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dmr	A77	5,199,431	4/6/93	Kittrell et al.	111		
dmr	A78	5,201,318	4/13/93	Rava et al.	1111		
dmr	A79	5,206,174	04/27/93	Gehrke et al.	1111		
dmr	A80	5,213,569	5/25/93	Davis	11111		
dmr	A81	5,216,386	06/01/93	Wyatt	11111		
dmr	A82	5,222,477	6/29/93	Lia	11111		
dmr	A83	5,233,621	08/03/93	Lawandy	1111		
dmr	A84	5,242,437	09/07/93	Everett et al.	11111		
dmr	A85	5,261,410	11/16/93	Alfano et al.	11111		
dmr	A86	5,262,645	11/16/93	Lambert	11111		
dmr	A87	5,280,788	1/25/94	Janes et al.	11111		
dmr	A88	5,287,340	02/15/94	Chapman et al.	11111		
dmr	A89	5,304,173	4/19/94	Kittrell et al.	11111		
dmr	A90	5,305,748	04/26/94	Wilk	1111		
dmr	A91	5,309,907	05/10/94	Fang et al.	11111		
dmr	A92	5,318,024	06/07/94	Kittrell et al.	11111		
dmr	A93	5,335,663	8/9/94	Oakley et al.	11111		
dmr	A94	5,345,073	09/06/94	Chang et al.	11111		
dmr	A95	5,348,018	9/20/94	Alfano et al.	11111		
dmr	A96	5,350,375	09/27/94	Deckelbaum et al.	11111		
dmr	A97	5,351,532	10/04/94	Hager	11111		
dmr	A98	5,377,676	01/03/95	Vari et al.	11111		
dmr	A99	5,382,920	01/17/95	Jung	11111		
dmr	A100	5,383,467	1/24/95	Auer et al.	11111		
dmr	A101	5,386,827	02/07/95	Chance et al.	1111		
dmr	A102	5,398,844	03/21/95	Zaslavsky et al.	11111		

EXAMINER *dmr*DATE CONSIDERED *September 25, 2002*

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PTO-340 MAIL ROOM

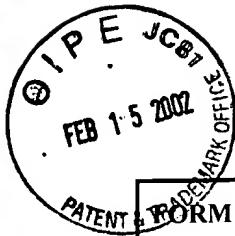


FORM PTO - 1449 PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT				ATTY DOCKET NO.: BSC-009DV APPLICANT: Crowley SERIAL NO.: 09/879,433 FILING DATE: June 12, 2001			
U.S. PATENT DOCUMENTS							
EXAM . INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
dmr	A103	5,402,778	4/4/95	Chance	→		
dmr	A104	5,402,792	04/04/95	Kimura	→		
dmr	A105	5,402,801	04/04/95	Taylor	→		
dmr	A106	5,404,881	4/11/95	Cathaud et al.	→		
dmr	A107	5,405,369	04/11/95	Selman et al.	→		
dmr	A108	5,408,992	4/25/95	Hamlin et al.	→		
dmr	A109	5,408,998	04/25/95	Mersch	→		
dmr	A110	5,413,108	5/9/95	Alfano	→		
dmr	A111	5,417,207	05/23/95	Young et al.	→		
dmr	A112	5,417,210	05/23/95	Funda et al.	→		
dmr	A113	5,419,323	05/30/95	Kittrell et al.	→		
dmr	A114	5,421,337	6/6/95	Richards-Kortum et al.	→		
dmr	A115	5,421,339	06/06/95	Ramanujam et al.	→		
dmr	A116	5,439,000	8/8/95	Gunderson et al.	→		
dmr	A117	5,445,608	08/29/95	Chen et al.	→		
dmr	A118	5,452,723	09/26/95	Wu et al.	→		
dmr	A119	5,456,252	10/10/95	Vari et al.	→		
dmr	A120	5,461,229	10/24/95	Sauter et al.	→		
dmr	A121	5,467,767	11/21/95	Alfano et al.	→		
dmr	A122	5,477,370	12/19/95	Little et al.	→		
dmr	A123	5,512,757	4/30/96	Cederstrand et al.	→		
dmr	A124	5,515,392	05/07/96	Teremy	→		
dmr	A125	5,517,313	5/14/96	Colvin, Jr.	→		
dmr	A126	5,517,997	05/21/96	Fontenot	→		
dmr	A127	5,540,691	07/30/96	Elstrom et al.	→		
dmr	A128	5,542,928	08/06/96	Evans et al.	→		
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U.S. PATENT DOCUMENTS							
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>dm</i>	A129	5,545,897	8/13/96	Jack			
<i>dm</i>	A130	5,553,614	09/10/96	Chance			
<i>dm</i>	A131	5,555,885	9/17/96	Chance			
<i>dm</i>	A132	5,556,421	09/17/96	Prutchi et al.			
<i>dm</i>	A133	5,562,100	10/8/96	Kittrell et al.			
<i>dm</i>	A134	5,571,152	11/05/96	Chen et al.			
<i>dm</i>	A135	5,579,773	12/3/96	Vo-Dinh et al.			
<i>dm</i>	A136	5,592,124	01/07/97	Mullins			
<i>dm</i>	A137	5,596,988	01/28/97	Markle et al.			
<i>dm</i>	A138	5,610,709	3/11/97	Arrington et al.			
<i>dm</i>	A139	5,617,857	4/8/97	Chader et al.			
<i>dm</i>	A140	5,626,139	05/06/97	Szeles et al.			
<i>dm</i>	A141	5,632,740	5/27/97	Koch et al.			
<i>dm</i>	A142	5,646,573	07/08/97	Bayruns et al.			
<i>dm</i>	A143	5,647,368	07/15/97	Zeng et al.			
<i>dm</i>	A144	5,696,657	12/09/97	Nourcier, Jr. et al.			
<i>dm</i>	A145	5,701,902	12/30/97	Vari et al.			
<i>dm</i>	A146	5,714,909	02/03/98	Jackson			
<i>dm</i>	A147	5,730,134	03/24/98	Dumoulin et al.			
<i>dm</i>	A148	5,743,260	04/28/98	Chung et al.			
<i>dm</i>	A149	5,767,538	06/16/98	Mullins et al.			
<i>dm</i>	A150	5,769,791	6/23/98	Benaron et al.			
<i>dm</i>	A151	5,785,658	07/28/98	Benaron et al.			
<i>dm</i>	A152	5,792,053	8/11/98	Skladnev et al.			
<i>dm</i>	A153	5,799,656	9/1/98	Alfano et al.			
EXAMINER				DATE CONSIDERED			

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 TO 3700 MAIL ROOM

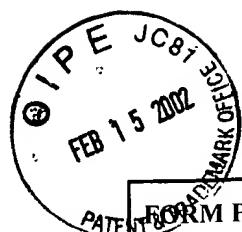


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U.S. PATENT DOCUMENTS							
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>dm</i>	A154	5,800,350	9/1/98	Coppleson et al.	—	—	
<i>dm</i>	A155	5,800,478	09/01/98	Chen et al.	—	—	
<i>dm</i>	A156	5,801,588	09/01/98	Nishiyama	—	—	
<i>dm</i>	A157	5,807,261	9/15/98	Benaron et al.	—	—	
<i>dm</i>	A158	5,819,736	10/13/98	Avny et al.	—	—	
<i>dm</i>	A159	5,829,878	11/3/98	Weiss et al.	—	—	
<i>dm</i>	A160	5,830,146	11/3/98	Skladnev et al.	—	—	
<i>dm</i>	A161	5,842,995	12/1/98	Mahadevan-Jansen et al.	—	—	
<i>dm</i>	A162	5,851,181	12/22/98	Talmor	—	—	
<i>dm</i>	A163	5,875,050	02/23/99	Ota	—	—	
<i>dm</i>	A164	5,879,289	3/9/99	Yarush et al.	—	—	
<i>dm</i>	A165	5,885,293	03/23/99	McDevitt	—	—	
<i>dm</i>	A166	5,893,364	4/13/99	Haar et al.	—	—	
<i>dm</i>	A167	5,902,247	5/11/99	Coe et al.	—	—	
<i>dm</i>	A168	5,908,294	6/1/99	Schick et al.	—	—	
<i>dm</i>	A169	5,928,137	07/27/99	Green	—	—	
<i>dm</i>	A170	5,941,822	8/24/99	Skladnev et al.	—	—	
<i>dm</i>	A171	6,096,065	8/1/00	Crowley	—	—	
<i>dm</i>	A172	6,119,031	9/12/00	Crowley et al	—	—	
<i>dm</i>	A173	6,149,591	11/21/00	Henderson et al.	—	—	
<i>dm</i>	A174	6,185,443	2/6/01	Crowley	—	—	
<i>dm</i>	A175	6,238,348	5/29/01	Crowley et al.	—	—	
<i>dm</i>	A176	6,240,312	5/29/01	Alfano et al.	—	—	
EXAMINER				DATE CONSIDERED			

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FOREIGN PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
<i>dm</i>	B1	888 727	09/03/53	DE					N
<i>dm</i>	B2	30 23 130	01/21/82	DE					N
	B3	40 05 743 A1	08/29/91	DE					N
	B4	195 12 518	04/04/95	DE					N
	B5	0 304 321	2/22/89	EP				N	Y
	B6	0 314 937 A2	5/10/89	EP				N	Y
	B7	0 629 380	12/21/94	EP					Y
	B8	0 650 694 A1	05/03/95	EP					Y
	B9	0 728 440 A3	08/28/96	EP					N
	B10	0 777 119 A2	06/04/97	EP					N
<i>dm</i>	B11	0 792 618	09/03/97	EP				N	Y
	B12	0 920 831	06/09/99	EP					Y
<i>dm</i>	B13	02-223828	09/06/90	JP					N
	B14	05-235327	04/04/95	JP					N
<i>dm</i>	B15	07-88105	04/04/95	JP					N
<i>dm</i>	B16	07-289506	11/07/95	JP					N
<i>dm</i>	B17	08-83569	03/26/96	JP					N
<i>dm</i>	B18	09-192138	09/29/97	JP					N
<i>dm</i>	B19	WO 90/04352	05/03/90	PCT					Y
	B20	WO 90/12536	11/01/90	PCT					Y
	B21	WO 91/15151	10/17/91	PCT				N	RECEIVED 10/22/1992 MAIL ROOM
<i>dm</i>	B22	WO 92/14514	09/03/92	PCT				N	10/22/1992
	B23	WO 92/15253	09/17/92	PCT					RECEIVED 10/22/1992
<i>dm</i>	B24	WO 94/13191	06/23/94	PCT				N	Y
	B25	WO 95/12349	05/11/95	PCT					Y
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<i>dw</i>	B26	WO 96/05693	02/22/96	PCT					Y
	B27	WO 96/07451	03/14/96	PCT					Y
	B28	WO 96/24406	08/15/96	PCT					Y
<i>dw</i>	B29	WO 96/39932	12/19/96	PCT				N	Y
	B30	WO 97/01985	01/23/97	PCT				N	Y
<i>dw</i>	B31	WO 98/22805	05/28/98	PCT				N	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM M. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1	Anidjar, et al., "Ultraviolet Laser-Induced Autofluorescence Distinction Between Malignant and Normal Urothelial Cells and Tissues," <u>J. of Biomed. Optics</u> 1(3), 335-341 (July 1996).
	C2	Bollinger, et al., " http://iqe.ethz.ch/fpst/Final_Report/M4/M4PO4-1.html , July 25, 1996 – LESIT Final Report 1995, Module 4 Microsensor Technology (Baltes), Project 4.4: Integrated UV-Sensor
	C3	Coleman, et al., "Acoustic Emission and Sonoluminescence Due to Cavitation at the Beam Focus of an Electrohydraulic Shock Wave Lithotripter," <u>Ultrasound in Med. & Biol.</u> 18(3), 267,281 (1992).
	C4	Cothren et al., "Gastrointestinal Tissue Diagnosis by Laser-Induced Fluorescence Spectroscopy at Endoscopy" <u>Gastro Endoscopy</u> , Vol. 36 No. 2, pp. 105-111, 1990.
	C5	Crowley et al., "Ultrasound Guided Therapeutic Catheters: Recent Developments and Clinical Results," <u>Int'l Journal of Cardiac Imaging</u> 6 145-156 (1991).
	C6	Huang et al., "Flourescence Diagnosis of Gynecological Cancerous and Normal Tissues," <u>SPIE 2135</u> 42-45 (1994).
	C7	International Search Report for PCT/US97/20367 dated March 23, 1998
	C8	International Search Report for PCT/US97/20435 dated May 19, 1998
	C9	Kapadia et al, "Laser-induced fluorescence spectroscopy of human colonic mucosa", <u>Gastroenterology</u> , Vol. 29, pp. 150-157, 1990.
	C10	Ko, "Biomedical Sensors and Actuators," <u>Electronics in Medicine and Biology</u> 26-53-26-68 (1989)
	C11	Kopp, et al., "Stay Tuned: Photonic Filters Color Your World," <u>Photonics Spectra</u> 125-129 (March 1997)

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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTY DOCKET NO.: BSC-009DV APPLICANT: Crowley SERIAL NO.: 09/879,433 FILING DATE: June 12, 2001
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OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)
	C12 Lilge et al., "Light Induced Fluorescence Spectroscopy at Endoscopy", <u>Presented at the 10th Asian Pacific Congress of Gastroenterology</u> , 1996.
	C13 Meindi, J. Implantable Telemetry in Biomedical Research, Electronics Engineers' Handbook, McGraw-Hill 1989, pp 26-41 - 25-53.
<i>dm</i>	C14 Petrofsky, "In Vivo Measurement of Brain Blood Flow in the Cat," <u>IEEE Transactions on Biomedical Engineering</u> ; Vol. BME-26, No. 8: 441-445 (August, 1979).
	C15 Search Report, dated February 8, 1999.
	C16 Vona et al., "A Test of the Hypothesis that Cavitation at the Focal Area of an Extracorporeal Shock Wave Lithotripter Produces Far Ultraviolet and Soft X-Ray Emissions", <u>J. Acoust. Soc. Am.</u> , Vol. 98 (2), pp. 706-711, (August 1995).

EXAMINER	DATE CONSIDERED
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